

## SWP Water Quality Summary

April 21, 2005

**Total Dissolved Solids:** TDS at all locations remained above the Article 19 Ten Year Average Objective of 220 mg/l except at Banks Pumping Plant (BPP), Check 41 and Vallecitos. TDS decreased at BPP, Checks 29 and 41, a sign of improving water quality. The greatest decrease of 88 mg/l occurred at BPP. These decreases in TDS are due to increased runoff from rainfall and snowmelt, especially the San Joaquin River. TDS concentrations at Devil Canyon, Barker Slough and Vallecitos increased to 276, 257 and 198 mg/l on April 14, 2005. Barker Slough water quality station was not in operation from March 18 to April 5, 2005 due to plant maintenance.

**Bromide concentrations:** Bromide has a similar trend as TDS at all locations. The highest concentration of 0.23 mg/l occurred at Devil Canyon while Barker Slough had the lowest concentration of 0.07 mg/l, both on April 14, 2005. However, concentrations at all the locations were above CBDA objective of 0.05 mg/l.

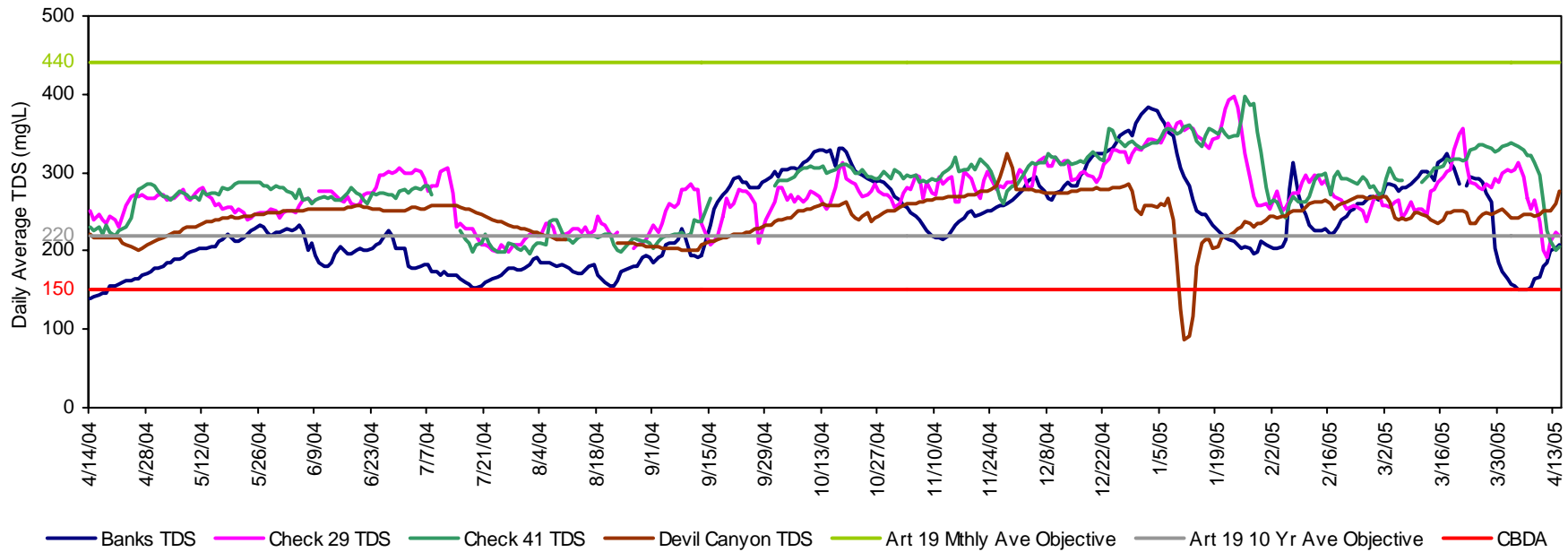
**Turbidity:** Turbidity at all locations was below 20 NTU except at Barker Slough. Turbidity increased at BPP, Checks 29 and 41, but decreased at Devil Canyon, Barker Slough and Vallecitos. However, the highest concentration of 62 NTU occurred at Barker Slough while the lowest of 3 NTU was at Devil Canyon, both on April 14, 2005.

**Dissolved Organic Carbon:** DOC continues to decline from the winter peak levels. DOC concentrations at Banks Pumping Plant was slightly above CALFED TOC Objective of 3 mg/l, while Check 13 had its greatest drop (2.9 mg/l) in five months. The concentrations decreased steadily in the last four weeks, at BPP (6.8 to 4.0 mg/l) and Check 13 (5.6 to 2.9 mg/l) from March 10 to April 14, 2005.

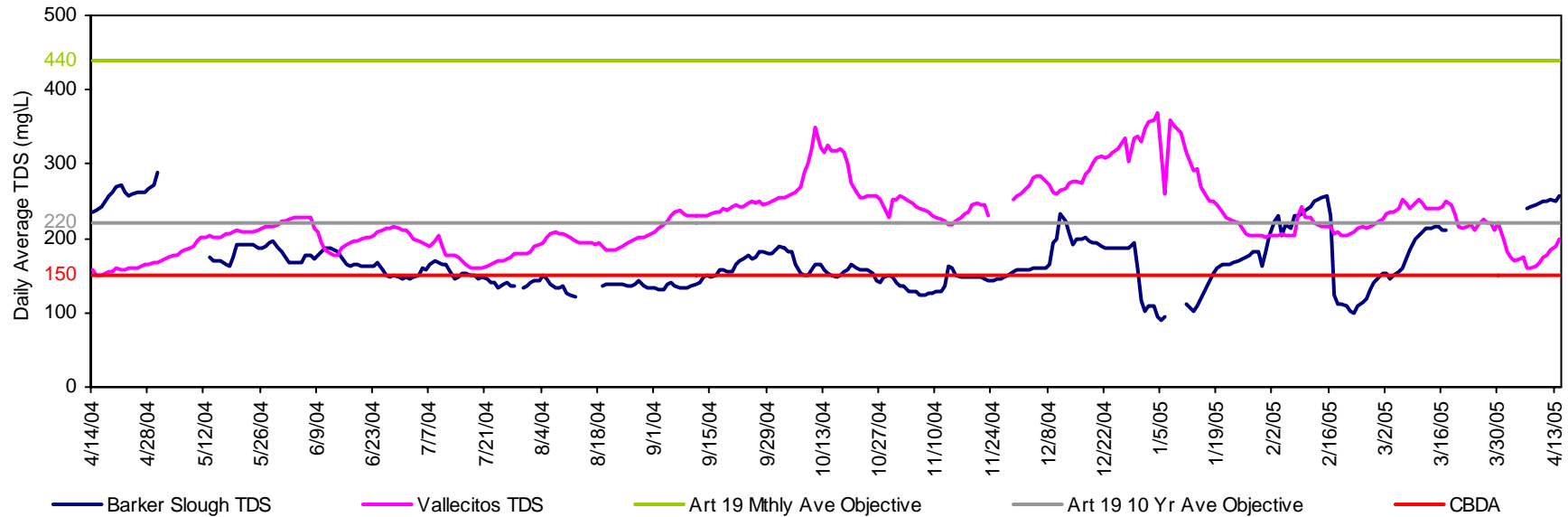
**Taste and Odor Compounds:** Taste and odor compounds were low at all locations with MIB below detection at the California and South Bay Aqueduct, and Check 13. At Lake Perris, Silverwood Lake, Checks 41 and 66, MIB and geosmin ranged from 1 to 4 ng/l. Neither compound exceeded 4 ng/l at all locations since the past four weeks.

**Ground Water Pump-in:** None.

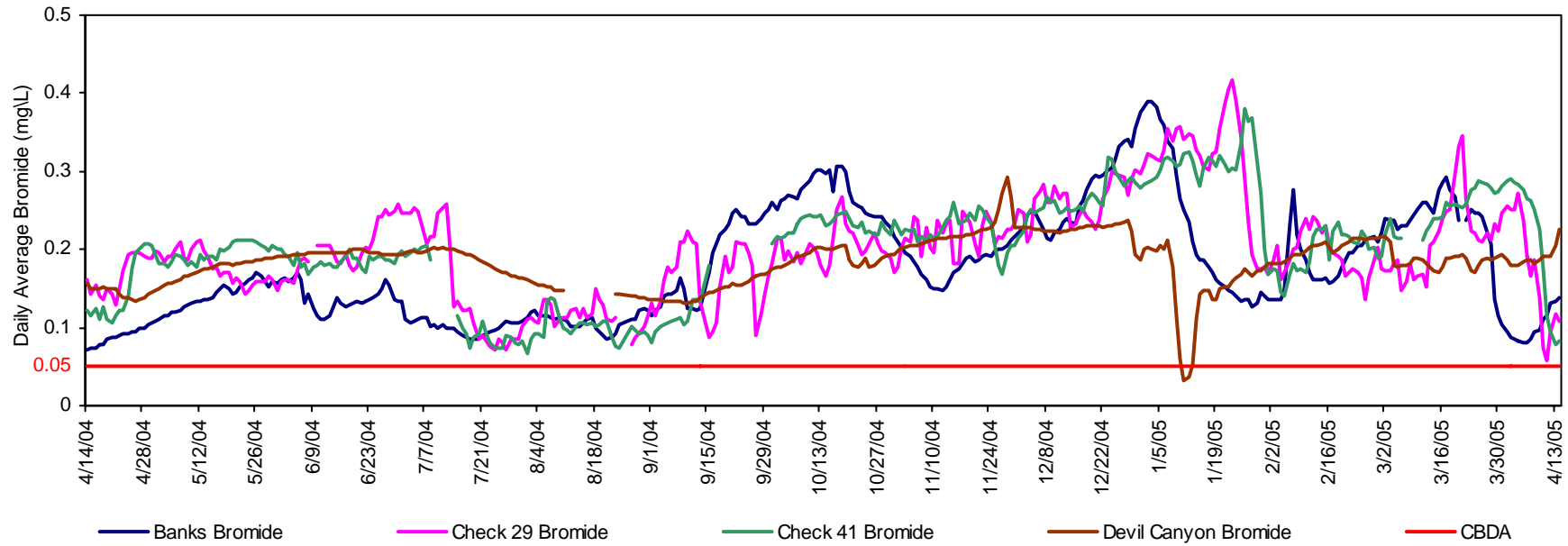
## California Aqueduct - Calculated Total Dissolved Solids



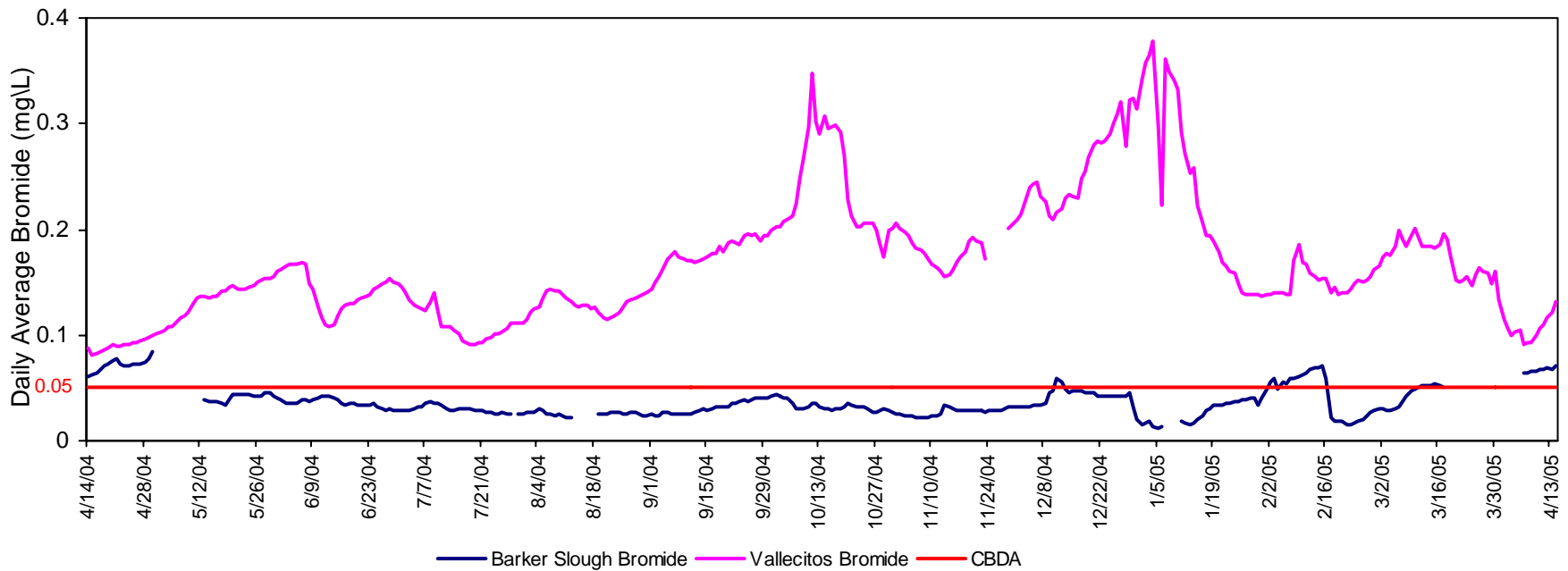
## North and South Bay Aqueduct - Calculated Total Dissolved Solids



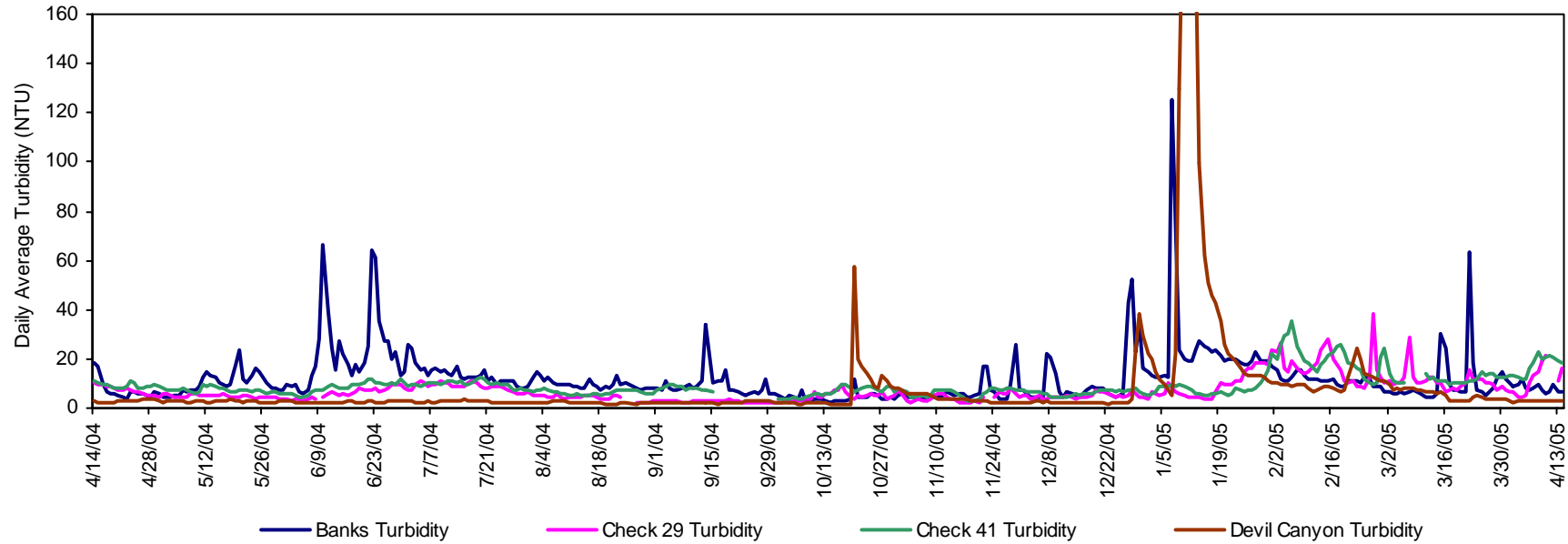
California Aqueduct - Calculated Bromide



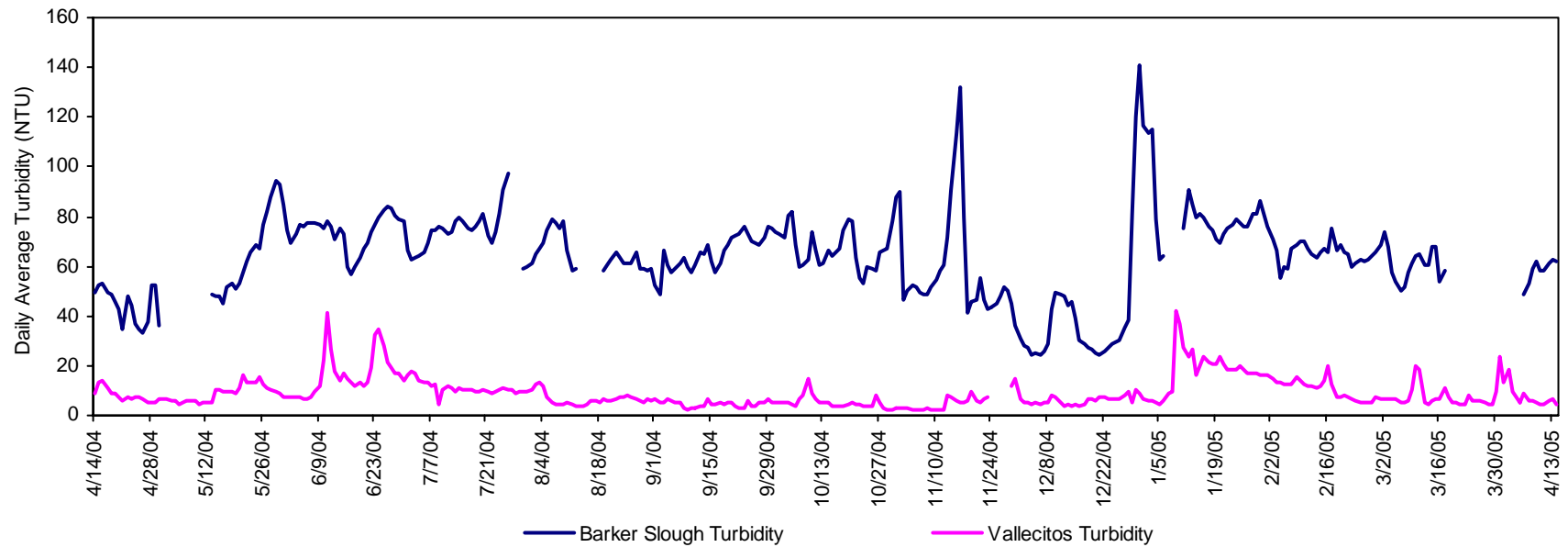
North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

